

**NORTHERN PLAINS AREA
Policy Memorandum**

DATE:	April 28, 2003
SUBJECT:	Use of High Consequence Livestock Pathogens and Toxins, Listed Plant Pathogens and Select Agents and Toxins
NUMBER:	PM-03-003
EFFECTIVE DATE:	Immediately Until Replaced or Superseded

1. Background

Since the passage of the Agriculture Bioterrorism Protection Act (7 CFR 331 and 9 CFR 121, December 13, 2002), special consideration is required to possess, use or transfer the listed agents and toxins. They are subject to more stringent security measures than would ordinarily be applied to Biosafety Level 2 (BSL-2 agents) compared to other pathogens.

ARS Homeland Security now requires timely notification of the intent to add any of these agents or toxins to a laboratory. Notification assures the:

- proper level of security is in place,
- facilities/laboratories are properly equipped,
- required personnel background investigations are complete,
- required permits have been obtained from Animal Plant Health Inspection Service (APHIS) and Health and Human Services (HHS),
- agents are listed in the ARS National Pathogen Inventory.

2. Approval

Possession or use of any of these agents requires prior approval from the Area Director and the National Program Staff. There are **no exemptions** from this requirement.

3. List of Agents and Toxins

<p>USDA High Consequence Livestock Pathogens and Toxins (Non-overlap agents and toxins)</p> <ul style="list-style-type: none">• African horse sickness virus• African swine fever virus• Akabane virus• Avian influenza virus (Highly Pathogenic)	<p>USDA High Consequence Livestock Pathogens and Toxins/Select Agents (USDA and HHS Overlap agents and toxins)</p> <ul style="list-style-type: none">• <u><i>Bacillus anthracis</i></u>• Botulinum neurotoxins• Botulinum neurotoxin producing species of <u><i>Clostridium</i></u>• <i>Brucella abortus</i>
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<ul style="list-style-type: none"> • Bluetongue virus (Exotic) • Bovine spongiform encephalopathy agent • Camel pox virus • Classical swine fever virus • <i>Cowdria ruminantium</i> (Heartwater) • Foot-and-mouth disease virus • Goat pox virus • Japanese encephalitis virus • Lumpy skin disease virus • Malignant catarrhal fever virus (Exotic) • Menangle virus • <i>Mycoplasma capricolum</i>/ <i>M. F38</i>/ <i>M. mycolides capri</i> (contagious caprine pleuropneumonia) • <i>Mycoplasma mycoides mycoides</i> (contagious bovine pleuropneumonia) • Newcastle disease virus (VVND) • Peste des petits ruminants virus • Rinderpest virus • Sheep pox virus • Swine vesicular disease virus • Vesicular stomatitis virus (Exotic) 	<ul style="list-style-type: none"> • <i>Brucella melitensis</i> • <i>Brucella suis</i> • <i>Burkholderia mallei</i> • <i>Burkholderia pseudomallei</i> • <i>Clostridium botulinum</i> • <i>Clostridium perfringens</i> epsilon toxin • <i>Coccidioides immitis</i> • <i>Coxiella burnetii</i> • Eastern equine encephalitis virus • <u><i>Francisella tularensis</i></u> • Hendra virus • Nipah virus • Rift valley fever virus • Shigatoxin • Staphylococcal enterotoxins • T-2 toxin • Venezuelan equine encephalitis virus
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HHS Non-Overlap Select Agents and Toxins	
• Crimean-Congo haemorrhagic fever virus	• Variola major virus (Smallpox virus)
• <i>Coccidioides posadasii</i>	• Variola minor virus (Alastrim)
• Ebola viruses	• <i>Yersinia pestis</i>
• Cercopithecine herpesvirus 1 (Herpes B virus)	• Abrin
• Lassa fever virus	• Conotoxins
• Marburg virus	• Diacetoxyscirpenol
• Monkeypox virus	• Ricin
• Rickettsia prowazekii	• Saxitoxin
• South American haemorrhagic fever viruses	• Shiga-like ribosome inactivating proteins

<ul style="list-style-type: none"> • Junin • Machupo • Sabia • Flexal • Guanarito 	
<ul style="list-style-type: none"> • Tick-borne encephalitis complex (flavi) viruses • Central European tick-borne encephalitis • Far Eastern tick-borne encephalitis • Russian spring and summer encephalitis virus • Kyasanur forest disease • Omsk hemorrhagic fever 	<ul style="list-style-type: none"> • Tetrodotoxin

USDA High Consequence Plant Pathogens	
• <i>Liberobacter africanus</i>	• <i>Ralstonia solanacearum</i> race 3, biovar 2
• <i>Lieberobacter asiaticus</i>	• <i>Sclerophthora rayssiae</i> var <i>zeae</i>
• <i>Peronosclerospora philippinesis</i>	• <i>Synchytrium endobioticum</i>
• <i>Pakospora pachyrhizi</i>	• <i>Xanthomonas oryzae</i>
• Plum Pox Potyvirus	• <i>Xylella fastidiosa</i> (citrus variegated chlorosis agent)

/s/

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